

Product datasheet for SC313379

NFATC2IP (AF458593) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFATC2IP (AF458593) Human Untagged Clone
Tag:	Tag Free
Symbol:	NFATC2IP
Synonyms:	ESC2; NIP45; RAD60
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AF458593, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGAGCCTGTGGGAAGCGGGGCCGCTGGTCCGGAGGTAGCGGTGCCGGCCGAGGG
GGTCGGGGCGGCTGGGGCGGTGGGGGCCGGCTCCTCGGGCCAGCGGTCTCCATCCCGG
GGCAGCTGGACGTAGTGTCTGTGGACTTGGTCACCGACAGCGATGAGGAAATTCTGGAG
GTGCCACCGCTCGCGGTGCCGCGGACGAGTTGAGGTGGAGCCCCGGAGCCCCGGGG
CCGGTCGCGTCCCGGGATAACAGCAACAGTGACAGCGAAGGGGAGGACAGGCGGCCGCA
GGACCCCGCGGGAGCCGTCAGGCGGCGGCGGCGGCTGGTTGCTGGATCCGGGGAGGCG
CCGCTGGTTCCGGTGTAATCGGGGAAGGTTAAAGCAGCCTTCGCCTTATCCCAGATGAT
CTATCCCTCCTGAACTCTACCTCCAGGGATGAGGAAGAGGCAGAGCTGGCAGATTCCG
AGTGGTCTCTACCATGAGGGCTCCCCATCACCAGGCTCTCCCTGGAAGACAAAGCTGAGG
ACTAAGGATAAAGAAGAGAAGAAAAAGACAGAGTTTCTGGATCTGGACAACTCTCCTCTG
TCCCCACCTTCACCAAGGACCAAAAGCAGAACGCATACTCGGGCACTCAAGAAAGTTAAGT
GAGGTGAACAAGCGCCTCCAGGATCTCCGTTCTGTCTGAGCCCCAAGCCACCTCAGGCT
CAAGAGCAACAGGGCCAGAGGATGAAGTGGTCTTGGTGAAGGGCCACCTCCAGAG
ACCCCGGACTCTTCCCACTCAAAATCCGTTGCCGGGCTGACCTGGTCAGATTGCCCTC
AGGATGTCGGAGCCCCTGCAGAGTGTGGTGGACCACATGGCCACCCACCTTGGGGTGTC
CCAAGCAGGATCCTTTTGTCTTTTGGAGAGACAGAGCTATCACCTACTGCCACTCCAGG
ACCCTAAAGCTCGGAGTGGCTGACATCATTGACTGTGTGGTACTAACAAGTTCTCCAGAG
GCCACAGAGAGCTCCCAACAGCTCCAGCTCCGGGTGCAGGGAAGGAGAAACACCAGACA
CTGGAAGTCTCACTGTCTCGAGATTCCCTCTAAAGACCCTCATGTCCCACTATGAGGAG
GCCATGGGACTGTCGGGACGGAAGCTCTCCTTCTTCTTTGATGGGACAAAGCTTTCAGGC
AGGGAGCTGCCAGCTGACCTGGGCATGGAATCTGGGGACCTCATTGAGGTCTGGGGC
  
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Restriction Sites:	Please inquire
ACCN:	AF458593
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	AF458593.1 , AAM49721.1
RefSeq Size:	2865 bp
RefSeq ORF:	2865 bp
Locus ID:	84901
Cytogenetics:	16p11.2
Domains:	UBQ
Gene Summary:	In T-helper 2 (Th2) cells, regulates the magnitude of NFAT-driven transcription of a specific subset of cytokine genes, including IL3, IL4, IL5 and IL13, but not IL2. Recruits PRMT1 to the IL4 promoter; this leads to enhancement of histone H4 'Arg-3'-methylation and facilitates subsequent histone acetylation at the IL4 locus, thus promotes robust cytokine expression (By similarity). Down-regulates formation of poly-SUMO chains by UBE2I/UBC9 (By similarity). [UniProtKB/Swiss-Prot Function]